

a
ab
ad
b
bae

bba
bbc
bbcc
bc
bca

bcc
bccca
c
ca
caab

caad
caaf
cab
cad
cc

ce

FIG. I
LIST OF PREFIXES

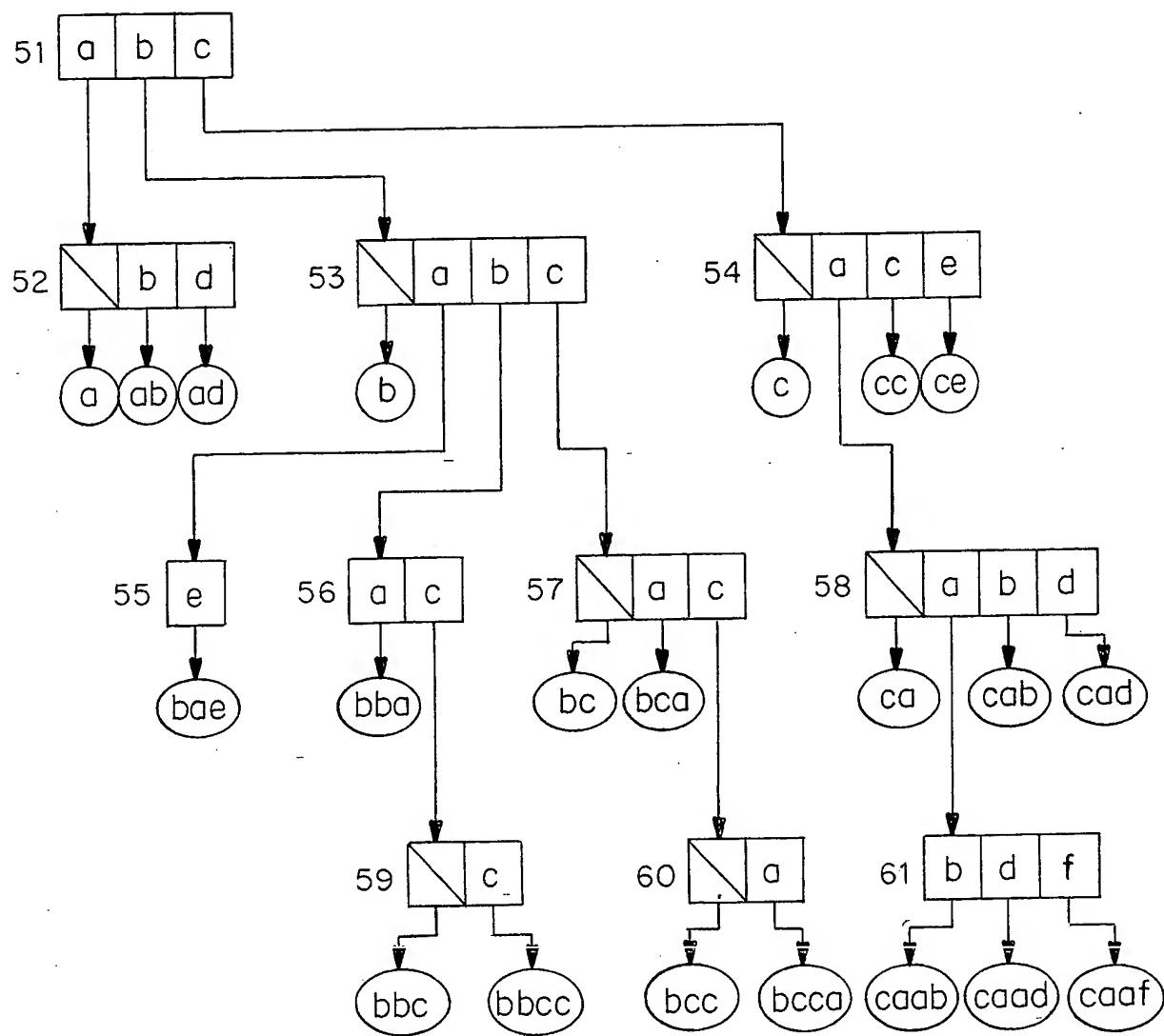


FIG. 2
(Prior Art)
TRIE STRUCTURE

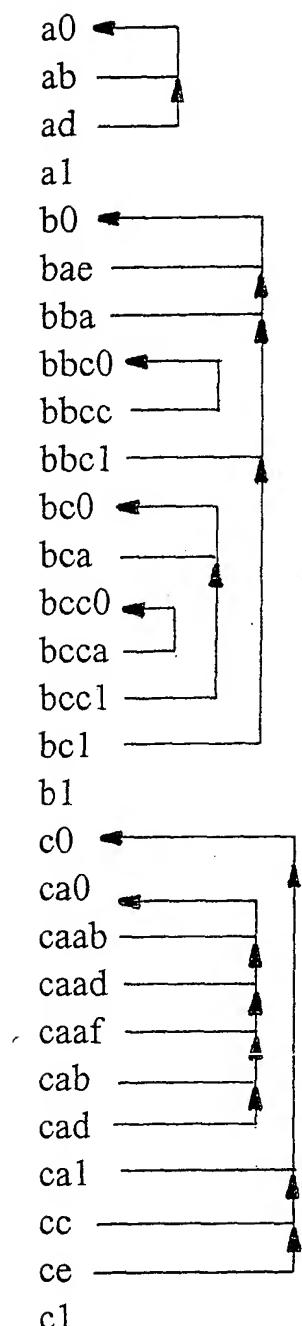


FIG. 3
(Prior Art)
LIST OF PREFIXES

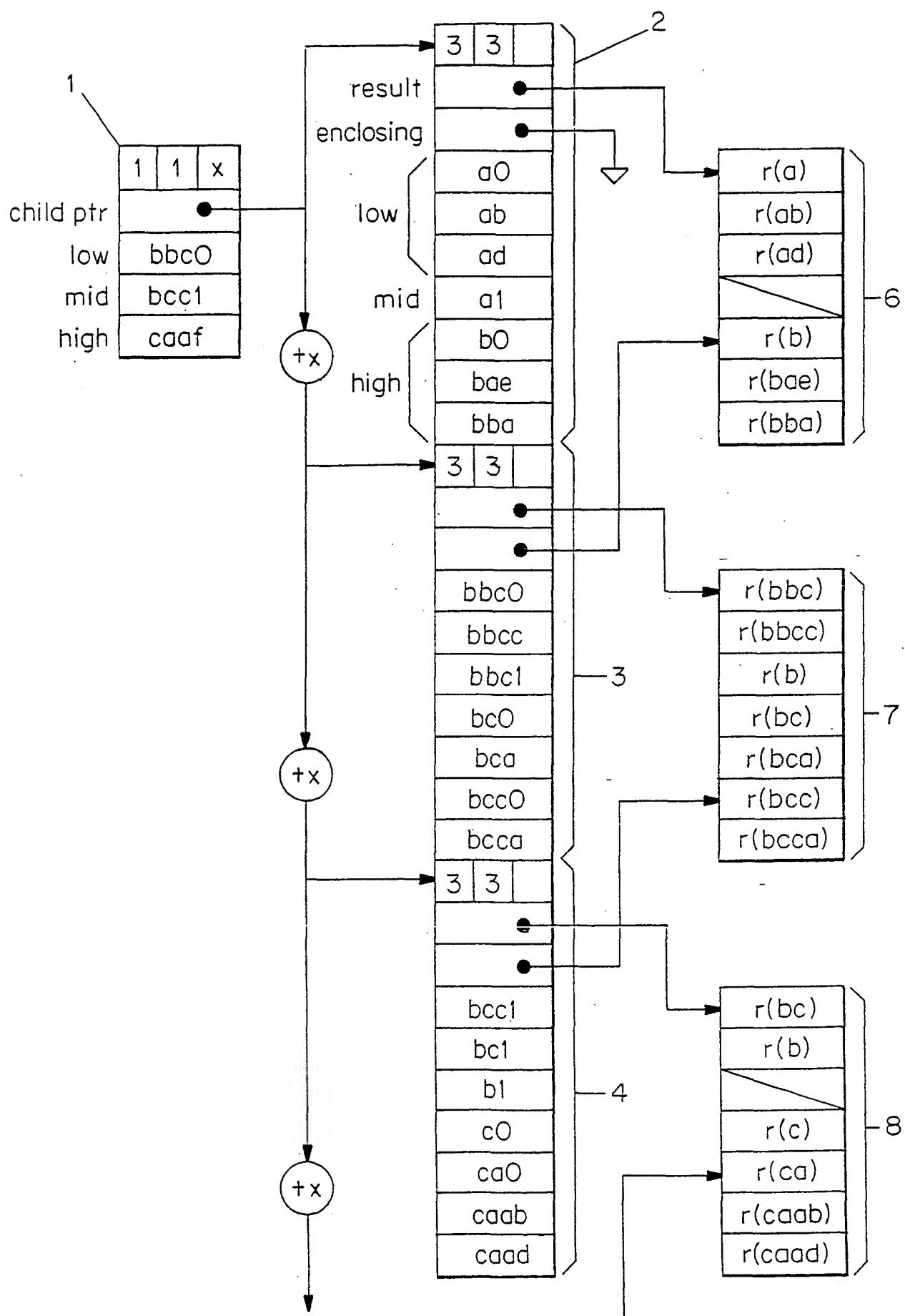


FIG. 4A

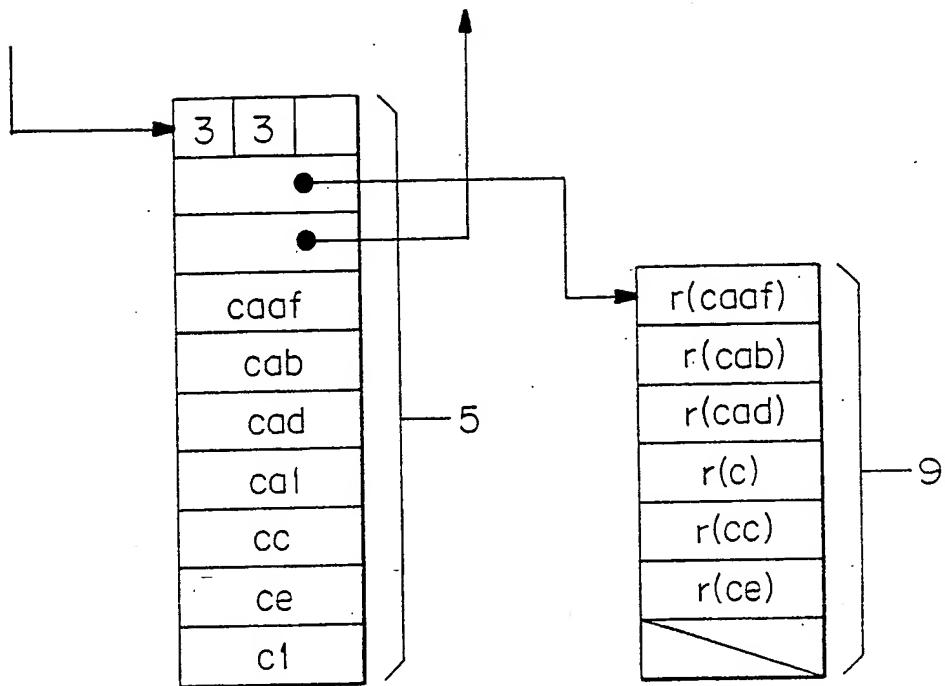


FIG. 4B

A
N = current node
key = search key

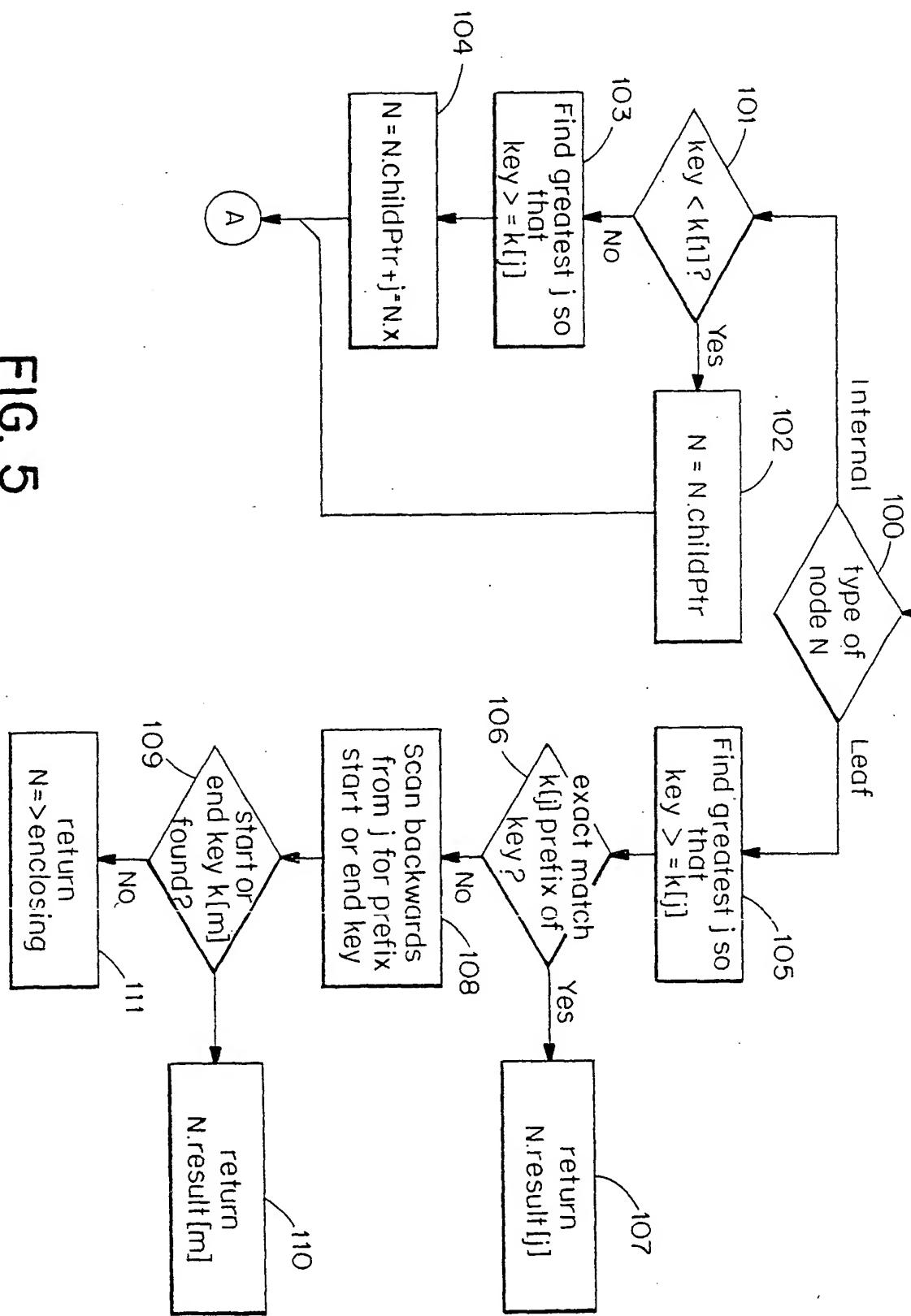


FIG. 5

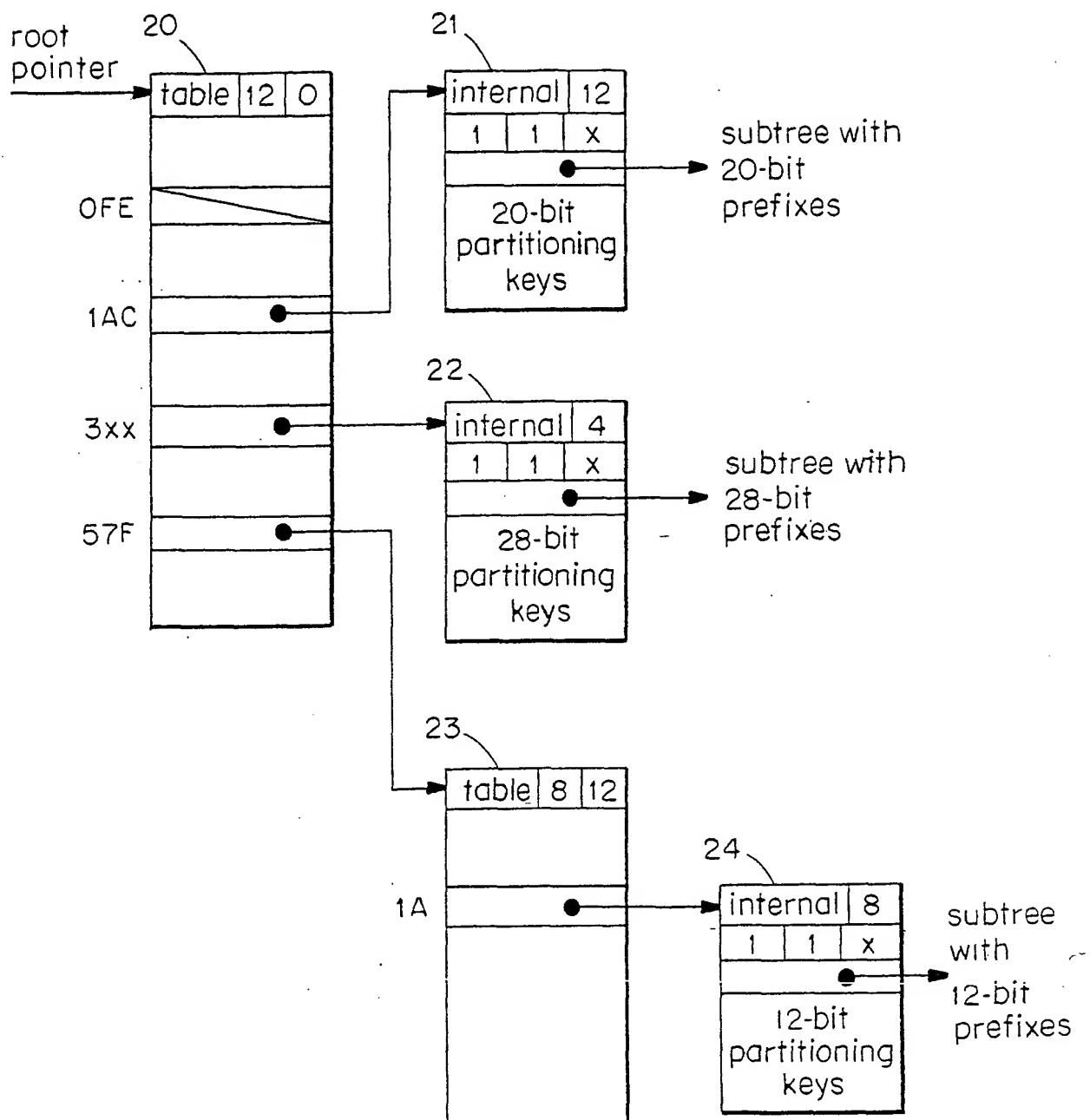


FIG. 6

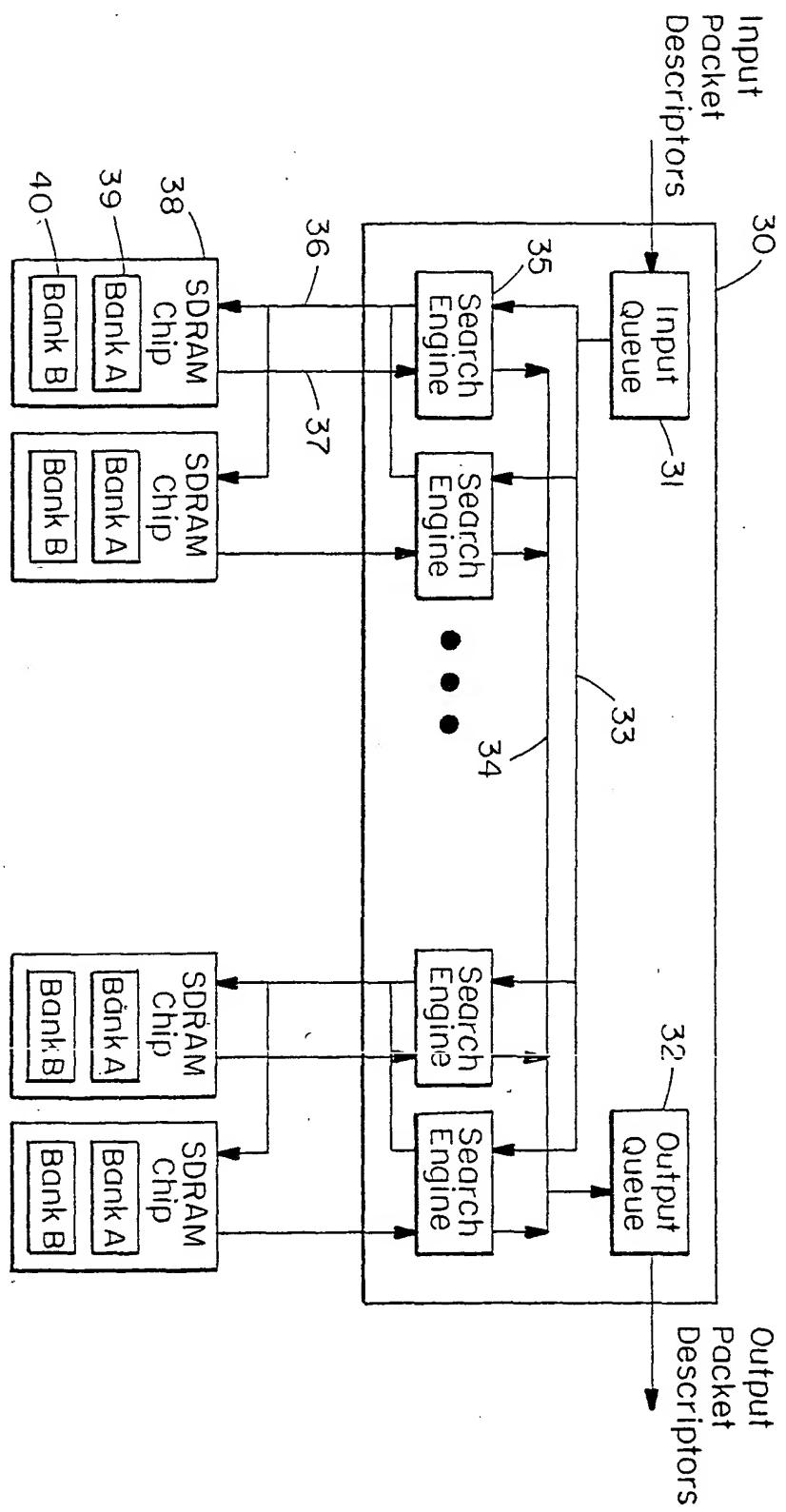


FIG. 7

Cycle	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
Addr/Cont	(RA)																			(PA)												
Data																				(RA)												

FIG. 8

Cycle	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
Addr/Cont	(RA)	(RA)																		(CA)												
Data																				(RB)												

FIG. 9

Cycle	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
Addr/Cont	(RA)	(RA)																		(RB)												
Data																				(CA)												

FIG. 10

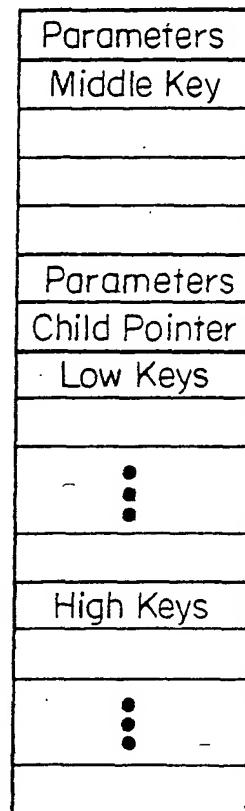


FIG. 11

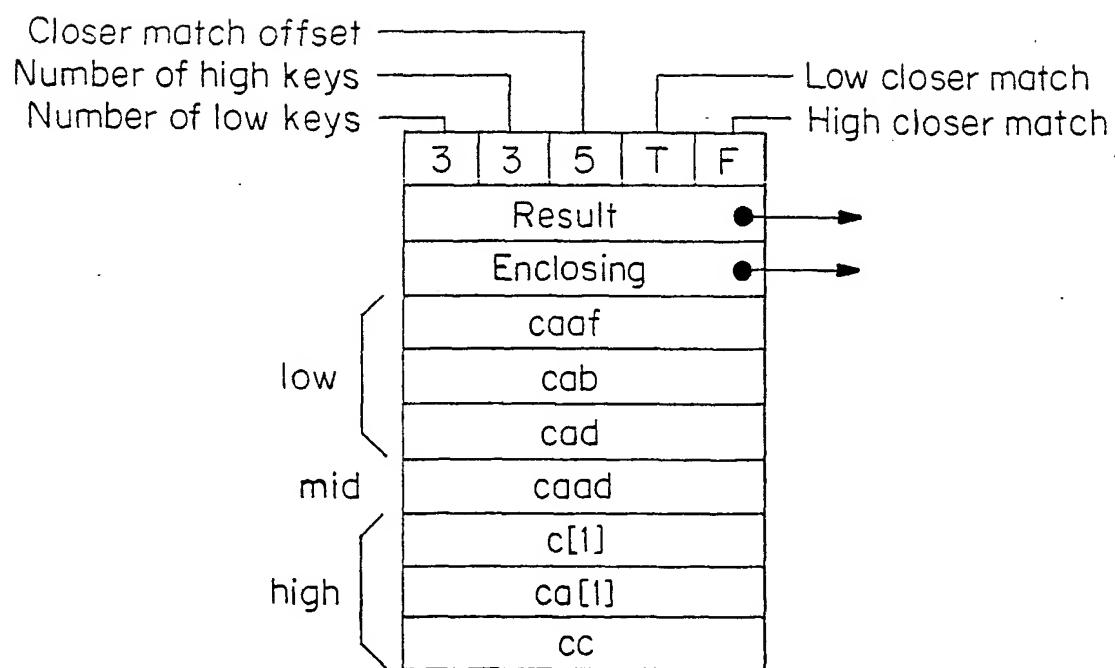


FIG. 12

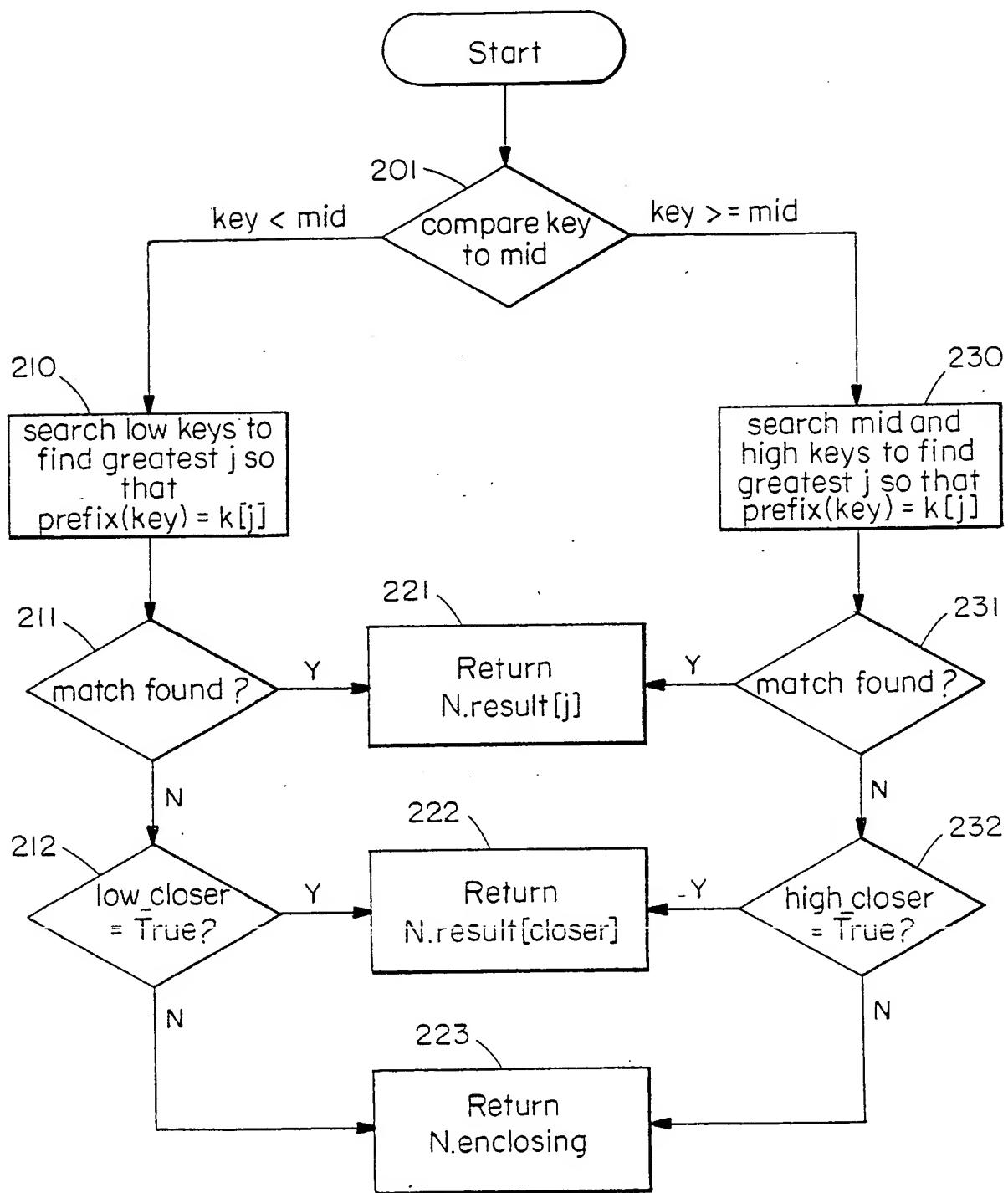


FIG. 13

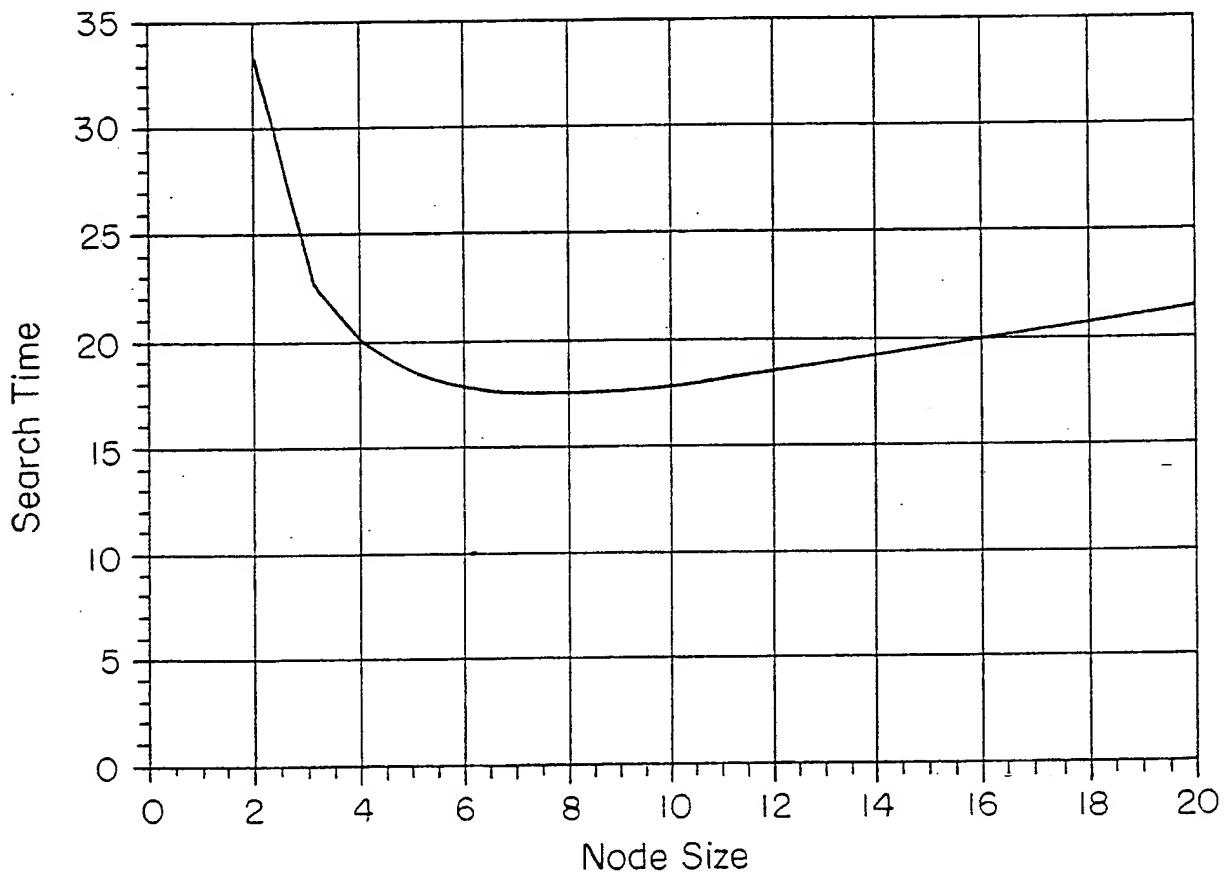


FIG. 14

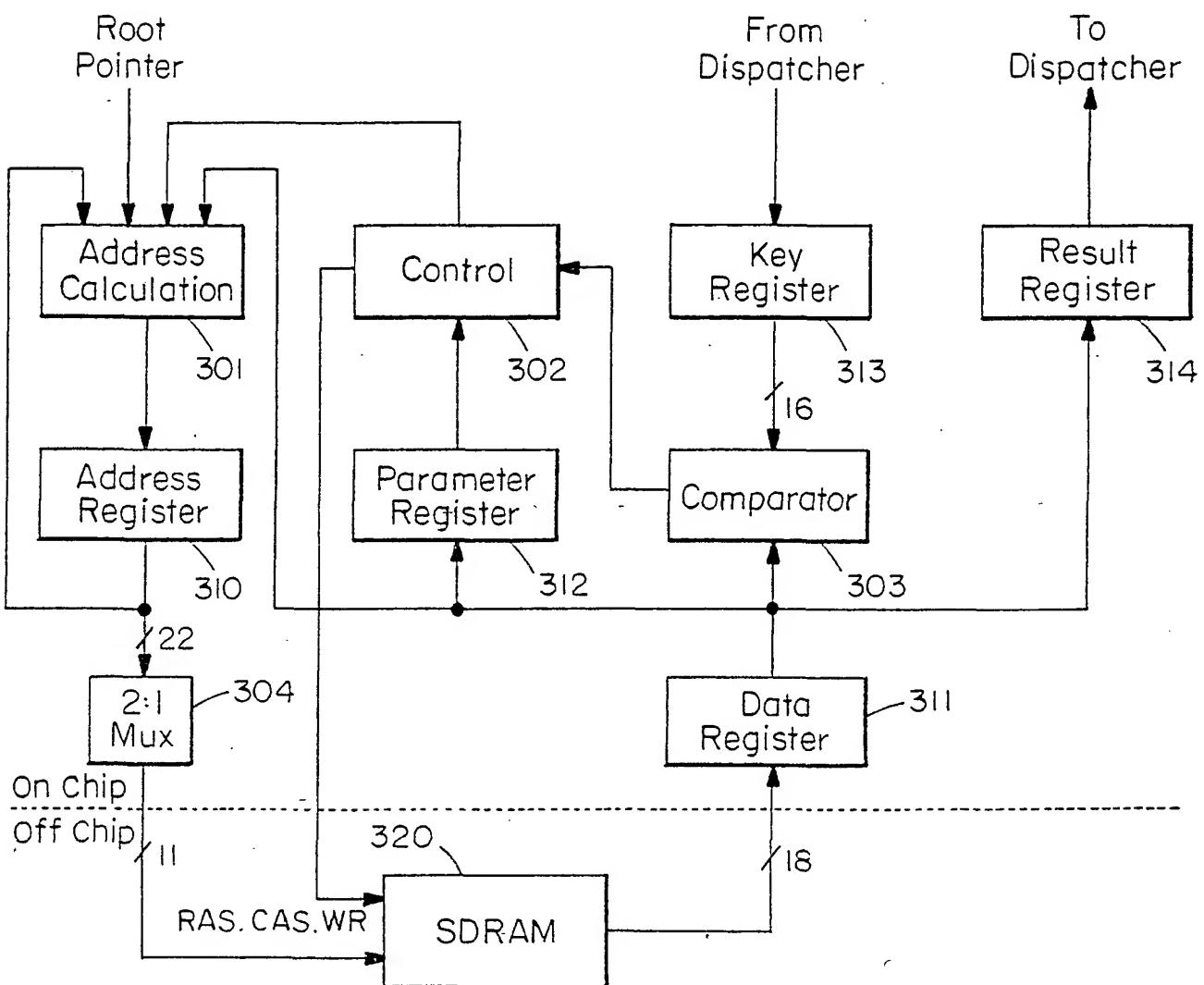


FIG. 15